

FIRST[®] LEGO[®] League Discover Professional Development

Course Description

In the FIRST[®] LEGO[®] League Discover professional development course, participants will learn how to engage participants ages 4-6 in hands-on science, technology, engineering, and math (STEM) learning. This course uses a playful approach to introduce STEM concepts to children while igniting their natural curiosity and building their habits of learning. Participants will explore hands-on activities for the classroom and at home using LEGO[®] DUPLO[®] bricks.

Course Requirements

FIRST[®] Provides:

- FIRST[®] Discover Set, *Team Meeting Guide* and *Engineering Notebook*
- LEGO[®] Education STEAM Park set

Course Objectives

By the end of this course, you will:

- Participate in the FIRST[®] experience from a student's point of view
- Explore the essential components of the FIRST LEGO League Discover
- Experience using Discover Set, *Team Meeting Guide*, *Engineering Notebook* and STEAM Park Set
- Practice LEGO[®] Six Bricks activities and learn how to facilitate Discover in your classroom
- Obtain ideas to run and facilitate hands-on playful learning
- Collaborate with other participants and share best practices
- Have experience with Project-Based Learning, the Engineering Design Process, and 21st Century Skills
- Implement Diversity and Inclusion practices
- Utilize, model, and reinforce the FIRST Core Values
- Explore ways to bring learning home to families through interactive activities using the FIRST LEGO League Discover More take-home set of materials